



COUNTY OF LOS ANGELES

FIRE DEPARTMENT

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P. MICHAEL FREEMAN
FIRE CHIEF
FORESTER & FIRE WARDEN

November 10, 2009

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Dear Supervisors:

**PROPOSAL FOR THE CONSOLIDATED FIRE PROTECTION DISTRICT OF
LOS ANGELES COUNTY TO PROVIDE FIRE PROTECTION, EMERGENCY MEDICAL, AND
HAZARDOUS MATERIALS SERVICES FOR THE CITY OF BREA
(ORANGE COUNTY) (3 VOTES)**

SUBJECT:

On July 14, 2009, your Honorable Board approved an agreement with the City of Brea (City) which authorized the Consolidated Fire Protection District (District) to undertake a feasibility study for the provision of fire protection, paramedic, and incidental services for the City of Brea. The District has completed the feasibility study, and we are now requesting the Board to approve a proposal for submission to the City, and authorize the Fire Chief to negotiate a service agreement upon request of the City.

**IT IS RECOMMENDED THAT YOUR HONORABLE BOARD, ACTING AS THE GOVERNING
BODY OF THE CONSOLIDATED FIRE PROTECTION DISTRICT:**

1. Approve the attached "Proposal for Providing Fire Protection, Emergency Medical, and Hazardous Materials Services for the City of Brea by the Consolidated Fire Protection District of Los Angeles County" (Proposal).
2. Authorize the Fire Chief to submit the Proposal to the City.
3. Upon request of the City, authorize the Fire Chief to negotiate an agreement for services and submit the final agreement to your Board for approval.

SERVING THE UNINCORPORATED AREAS OF LOS ANGELES COUNTY AND THE CITIES OF:

AGOURA HILLS
ARTESIA
AZUSA
BALDWIN PARK
BELL
BELL GARDENS
BELLFLOWER
BRADBURY

CALABASAS
CARSON
CERRITOS
CLAREMONT
COMMERCE
COVINA
CUDAHY

DIAMOND BAR
DUARTE
EL MONTE
GARDENA
GLENDORA
HAWAIIAN GARDENS
HAWTHORNE

HIDDEN HILLS
HUNTINGTON PARK
INDUSTRY
INGLEWOOD
IRVINDALE
LA CANADA FLINTRIDGE
LA HABRA

LA MIRADA
LA PUENTE
LAKEWOOD
LANCASTER
LAWNDALE
LOMITA
LYNWOOD

MALIBU
MAYWOOD
NORWALK
PALMDALE
PALOS VERDES ESTATES
PARAMOUNT
PICO RIVERA

POMONA
RANCHO PALOS VERDES
ROLLING HILLS
ROLLING HILLS ESTATES
ROSEMEAD
SAN DIMAS
SANTA CLARITA

SIGNAL HILL
SOUTH EL MONTE
SOUTH GATE
TEMPLE CITY
WALNUT
WEST HOLLYWOOD
WESTLAKE VILLAGE
WHITTIER

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION:

The City requested that the District undertake a study to analyze the feasibility of the District providing services to the City. In response, on July 14, 2009, your Honorable Board executed an agreement which provided for the development of a proposal by the District to provide fire protection, paramedic, and incidental services to the City, and directed the Fire Chief to submit the Proposal to your Board for review and approval prior to transmittal to the City.

Implementation of Strategic Plan Goals

This Proposal for the City addresses Goal No. 1, "Operational Effectiveness," of the County's Strategic Plan which guides us to "maximize the effectiveness of processes, structure and operations to support timely delivery of customer-oriented and efficient public services."

FISCAL IMPACT/FINANCING:

The District would provide service from three of the four existing City fire stations with two paramedic assessment engines, a paramedic assessment quint, a paramedic squad, and a patrol. The District's estimated Fiscal Year 2009-10 annual fee in the City is \$10,319,331.

The City of Brea would pay one-time implementation costs, currently estimated to be approximately \$1.3 million, over a five-year period. This amount is based on various factors, such as the existing condition of the City's facilities and the City's current apparatus and equipment inventories. The actual amount of implementation costs is subject to change due to any equipment purchases or facility upgrades or repairs performed by the City prior to annexation.

There would be no fiscal impact to the District as a result of the proposed service level in the City as it is predicated upon a direct service charge to the City. Pursuant to our agreement with the City for preparation of the Proposal, the District will invoice the City of Brea \$30,000 for preparation of the Proposal upon receiving your Board's authorization to submit it to the City.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS:

Government Code Section 55632 authorizes the legislative body of a fire protection district to contract with a neighboring city, county, or fire protection district for the furnishing of fire protection to such other local agency.

IMPACT ON CURRENT SERVICES:

The Proposal is not binding on either the City or the District. It sets the parameters for negotiation of a service level, and commensurate costs, should the City opt to enter into negotiations for District services. Therefore, submitting the Proposal to the City would not have any impact on District operations at this time.

Should the City of Brea pursue negotiations, the service level outlined in the Proposal could enhance staffing, especially to the areas of Rowland Heights, Diamond Bar and La Habra, from three fire stations in the City of Brea. The City of Brea would benefit from the two paramedic squads and four paramedic assessment units located within five miles of the City's boundaries.

CONCLUSION:

This Proposal provides a basis for negotiations if the City so desires. Both the District and the City could benefit if a mutually agreeable service contract were achieved.

Respectfully submitted,


P. MICHAEL FREEMAN

PMF:ju

Attachment

- c: Chief Executive Officer
- Acting County Counsel
- Executive Officer, Board of Supervisors
- Auditor-Controller
- Department of Health Services
- Los Angeles County Employees Retirement Association
- Local Agency Formation Commission

PROPOSAL FOR PROVIDING
FIRE PROTECTION, EMERGENCY MEDICAL,
AND HAZARDOUS MATERIALS SERVICES

for

THE CITY OF BREA

by

THE CONSOLIDATED FIRE PROTECTION DISTRICT OF
LOS ANGELES COUNTY



OCTOBER 2009

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**PROPOSAL FOR THE PROVISION OF FIRE
PROTECTION, EMERGENCY MEDICAL, AND
HAZARDOUS MATERIALS SERVICES**

FOR

THE CITY OF BREA

BY

**THE CONSOLIDATED FIRE PROTECTION DISTRICT
OF LOS ANGELES COUNTY**

October 29, 2009

INTRODUCTION

At the request of the City Council of Brea and with the approval of the Board of Supervisors of Los Angeles County, a study has been conducted to analyze and recommend conditions under which the City of Brea could obtain fire protection, emergency medical, hazardous materials, and related services offered by the Consolidated Fire Protection District of Los Angeles County (District). The results of the study are included in this Proposal for the Provision of Fire Protection, Emergency Medical, and Hazardous Materials Services (Proposal).

If, after consideration of this Proposal, the City should desire to explore further action and/or possible negotiation of an agreement for services with the District, a written request authorized by the City Council to the District would be required to commence formal negotiations. After negotiations are completed and the City Council has approved an agreement for services, the District would submit the proposed agreement to the Los Angeles County Board of Supervisors for final approval.

If the negotiation process were to take longer than three months, the District retains the option to update this Proposal if necessary. If the District does not receive a written request from the City Council to commence formal discussions within 90 days of Board of Supervisors' approval of this Proposal, the District retains the option to withdraw this Proposal from consideration.

CONSOLIDATED FIRE PROTECTION DISTRICT OF LOS ANGELES COUNTY

The Consolidated Fire Protection District of Los Angeles County was established in 1949 and is a “special district” under California law. Pursuant to California Government Code Section 55632, the Board of Supervisors of Los Angeles County, as the governing body of the District, may contract with any other neighboring city, county or fire protection district for the furnishing of fire protection to such other agency.

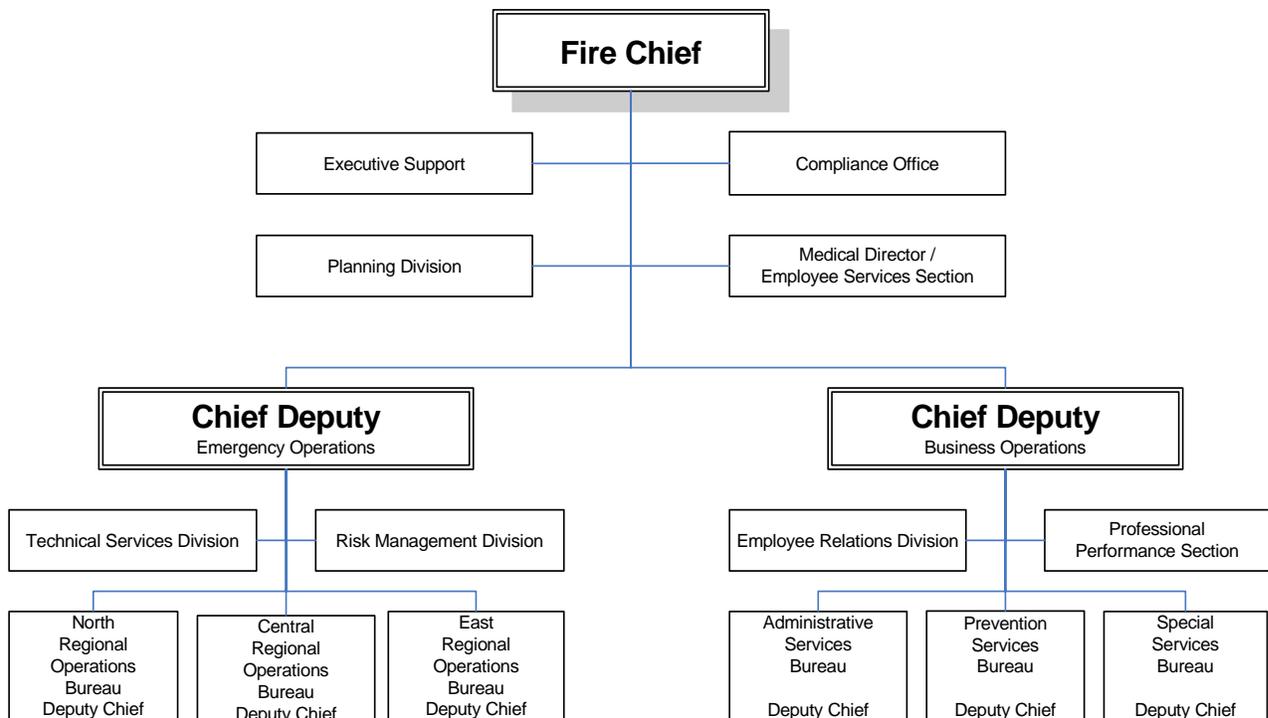
Population and Resources

The District serves approximately 4.14 million people in 58 cities and all of the unincorporated areas of Los Angeles County. The District is a nationally recognized fire department that provides a variety of high-quality emergency and safety-related services.

The District operates 170 fire stations with 163 staffed engine companies; 32 ladder truck companies, which include 19 quints that have both pumper and ladder truck features; 5 light forces, which are comprised of both an engine and truck company that respond in tandem; 4 hazardous materials response squads; 2 urban search and rescue task forces; 3 staffed paramedic air squads (with the capability of staffing an additional 7 air squads); and 67 paramedic rescue squads. In addition, numerous support services and special pieces of equipment are utilized.

ORGANIZATIONAL STRUCTURE

The District’s organizational structure is as follows:



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For efficient management, the District is divided into six functional bureaus, each commanded by a Deputy Chief:

- **Central, East, and North Regional Operations Bureaus**

The firefighting, hazardous materials emergency response, and emergency medical forces of the District are assigned into these three regional Operations Bureaus. These forces are divided into nine field divisions, each under the command of an Assistant Fire Chief. Each field division is composed of two to three battalions.

Each battalion is supervised 24 hours per day by a Battalion Chief. Six to twelve fire stations make up a battalion. The Battalion Chief provides overall supervision and administrative control of the stations and is the first line of management responsible for dealing with union-represented employees.

An on-duty Fire Captain is assigned to each engine and truck company. The Fire Captain supervises the station and is responsible for the fire prevention and suppression, emergency medical, and other emergency and routine services that are provided within the station's jurisdictional area.

The City of Brea would be included in the East Regional Operations Bureau. The Deputy Fire Chief in command of the East Regional Operations Bureau is located at Fire Station 118 in the City of Industry. The local Assistant Fire Chief is located at Fire Station 30 in the City of Cerritos.

- **Prevention Services Bureau**

Comprised of the Prevention, Health/Hazardous Materials, and Forestry Divisions.

- **Special Services Bureau**

Comprised of the Command and Control, Fire Fleet Services, Construction and Maintenance, and Information Management Divisions.

- **Administrative Services Bureau**

Comprised of the Human Resources, Financial Management, Organizational Development, and Materials Management Divisions.

RESPONSE MATRIX

The District's Command and Control Division, Dispatch Services Center, utilizes standardized response profiles to dispatch resources to emergencies. Initial response for a building fire is dependent on the required fire flow in gallons of water per minute necessary to extinguish the fire. Following are a few examples of the District's typical response to reported fires:

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Initial Commercial Response - The standard first alarm response for a commercial building fire is:

- 5 Engine Companies
- 2 Ladder Truck Companies
- 1 Paramedic Rescue Squad
- 1 Emergency Support Team (EST)
- 2 Battalion Chiefs

Total average staffing level = 31

If the initial response does not provide the necessary resources, greater alarms may be requested by the incident commander.

Commercial Third Alarm - Response to a third alarm for a commercial building fire would result in the following:

- 13 Engine Companies
- 6 Truck Companies
- 2 Paramedic Rescue Squads
- 1 Hazardous Materials Task Force (Engine & HazMat Squad)
- 1 USAR Task Force (Engine and USAR Squad)
- 1 Mobile Air Unit
- 1 EST
- 6 Battalion Chiefs
- 2 Assistant Chiefs
- 1 Deputy Fire Chief

Total average staffing level = 128

Initial Brush Fire Response - The response to a brush fire would result in the total initial response of:

- 7 Engine Companies
- 1 Patrol
- 3 Helicopters (1 with fly firefighting crew*)
- 4 Ground Crews
- 1 Dozer Team
- 1 Water Tender
- 3 Superintendents
- 2 Super Scoopers (seasonal)
- 2 Battalion Chiefs
- 1 Paramedic Squad

Total average staffing level = 119

*A fly crew is a group of 9 fire suppression aids, 1 foreman and a division supervisor used on brush fires to carry out suppression and ICS tasks.

(See **Appendix D** for a comparison of City/District response configurations in the Brea area.)

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Additional resources, including various specialized pieces of equipment, technical teams, etc., may be requested by the incident commander. When it is anticipated that an engine company would be out for 30 minutes or more in designated critical coverage areas, companies are automatically dispatched to "move-up" to pre-designated vacant stations near the greater alarm incident so that coverage is available for any subsequent emergency.

EMERGENCY MEDICAL TECHNICIAN SERVICE

All District uniformed personnel are trained at a minimum to the Emergency Medical Technician-1 (EMT-1) level. EMT-1 jurisdictional engine and truck company personnel provide patient evaluation, basic life support, and first aid. Currently, all engine and truck companies carry automatic external defibrillators, and their personnel are certified at the Emergency Medical Technician-Defibrillator (EMT-D) level.

PARAMEDIC SERVICES

Sixty-seven (67) paramedic rescue squads are strategically assigned among the District's 170 fire stations. Paramedic rescue squad personnel provide advanced life support, including drug therapy and sophisticated medical procedures, in addition to their basic firefighting duties. In 2005, the District instituted the 12-Lead Electrocardiogram (ECG) Program. The primary goal of this program is to improve patient care and outcomes by immediately correlating the chief complaint, clinical presentation, transport decision, and hospital intervention. The District has the capability of responding numerous additional squads to an incident or area when a high demand for service occurs.

In appropriate locations, the District operates paramedic engine companies and paramedic assessment engines to increase the optimum use and efficiency of personnel.

The staffing of **Paramedic Assessment Engines** includes one fire fighter paramedic. In addition to the care that EMTs provide, an assessment engine can provide advanced EMS care such as: heart monitoring and interpretation of cardiac rhythms; manual defibrillation and synchronized cardioversion; IV therapy; and advanced pharmacology drug calculations and administration. A paramedic squad is dispatched simultaneously with an assessment engine to assist with patient care and follow up at a receiving hospital, if necessary.

The staffing of **Paramedic Engines** includes two fire fighter paramedics and, in addition to the care that EMTs and assessment engines can provide, can calculate and administer controlled drugs. Paramedic engines also maintain a disaster cache with medical inventory for chemical and biological acts of terrorism. Paramedic engines perform patient follow-up, if necessary, to a receiving hospital. A paramedic squad is not dispatched with a paramedic engine.

The District also operates 24-hour-a-day paramedic helicopter "air squads." The closest air squad to Brea is located at East County Brackett Air Field in the City of La Verne.

HAZARDOUS MATERIALS SERVICES

The District provides hazardous materials response services to all of its jurisdictional area and, upon request and availability, to cities outside the District's jurisdiction. Hazardous materials task force personnel (hazardous materials response squad and an accompanying engine) are trained to identify and deal with a hazardous materials release or potential release on emergency incidents.

RELATED SERVICES

The District conducts a variety of public service, educational, fire prevention, and related programs such as: the Explorer Program which introduces young people ages 15 through 21 to the fire service as a possible career through training and participation in actual situations; the Juvenile Fire Setters Program which provides youth counseling; the Rescue Youth Program, operated in conjunction with the District Attorney's Office, which provides a mentoring program at District fire stations for at-risk youths that are between 12 and 14 years of age; the Yogi Bear Schoolhouse earthquake simulator, which provides earthquake preparedness training; and the Federal Emergency Management Agency (FEMA) approved Community Emergency Response Team (CERT) Program.

The District also provides ocean lifeguard, forestry, hazardous materials regulation, and other health and safety related services.

AUTOMATIC AID

The District utilizes automatic aid agreements with other fire departments to provide the most expeditious response to designated areas on a day-to-day basis while maintaining a reciprocal exchange of services. The District would continue to participate in the City's existing automatic aid agreements and mutual aid programs if the City were to contract with the District for services. Modifications would be made as appropriate.

TRAINING

The District operates four regional training centers. A newly hired District employee is given 17 weeks of intense training at the District's training centers. Our training system is designed to ensure that only highly trained firefighting personnel are available for all emergency and non-emergency duties. In addition to basic firefighting skills, the recruit fire fighter is trained for medical emergencies and is certified as an EMT-1 and EMT-D. For one year after graduation, the employee is on probation and is rated monthly on training progress. The probationary fire fighter receives daily drills and must pass a final examination before being approved for permanent employment.

Ongoing training for all personnel is accomplished by mandatory, daily, two-hour drills. Personnel are continually introduced to new or improved emergency and non-emergency procedures.

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City firefighting personnel assimilated into the District, if not already certified, would receive EMT-1 and EMT-D training and certification, and Class "B" commercial driver's training and licensing as required by the Department of Motor Vehicles. Those personnel would also receive various other orientations and training for their specific positions in the District.

CITY OF BREA

The City of Brea is located in northeast Orange County. It is bordered by the City of La Habra to the west, Los Angeles County to the north, the Cities of Fullerton, Placentia and Yorba Linda to the south, and the City of Chino Hills to the east. Some of the pertinent statistics of the City are:

Population:	40,176 Residents
Area:	12.43 Square Miles
Assessed Valuation:	\$7,041,401,472
Annual Fire Department Emergency Incidents:	3,751 (2008)

The City contains a mix of primarily medium-density, residential neighborhoods with some multiple-family dwellings. Small, medium and large sized commercial occupancies are present on most major streets, and shopping centers and office/commercial complexes line Imperial Highway and Lambert Road in the southern portion of the City. The western portion of the City represents the largest amount of industrial/manufacturing complexes. These residential, commercial, and industrial occupancies present normal risks. The eastern portion of the City represents residential occupancies within the wildland urban interface. The tallest buildings in the City reach a maximum of seven stories. The City has one regional mall, which has a total of 1.5 million square feet.

BREA FIRE DEPARTMENT

The City Fire Department is currently administered by a Fire Chief. Three Battalion Chiefs serve as platoon/shift commanders. Civilian employees serve as Fire Marshal and Emergency Preparedness Coordinator.

City fire protection and emergency medical services are provided from four fire stations equipped with 3 type I engines, 1 type III engine and 1 tiller truck. Paramedic service is provided by two engine companies, each staffed with two paramedics. Fourteen full-time uniformed line personnel, including a battalion chief are assigned to each shift. This staffing level is augmented with two part-time fire fighter apprentices assigned to the City's two paramedic engines.

Emergency ambulance transportation is provided by Emergency Ambulance Company.

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Dispatch & Communications

City Fire Department dispatching and communications are provided by the City Police Department Dispatch Center.

Insurance Services Office (ISO) Fire Protection Class

The City's current ISO protection class is a split rating of "3/9." The split rating of "9" is for the Carbon Canyon area. The provision of District services to the City would not result in a rating change to the City.

Mutual Aid

Under a local aid plan, Brea receives greater alarm assistance from the District, Orange County Fire Authority (OCFA), and the Chino Valley Fire Protection District. Urban search and rescue and hazardous materials response is provided through a Joint Powers Authority with the cities of Fullerton, Costa Mesa, Santa Ana, Huntington Beach, OCFA, and Anaheim Fire Departments.

BENEFITS OF DISTRICT SERVICE

Both the City and the District provide outstanding fire protection and emergency medical services. However, the District, due to its overall size and its economy of scale, can provide a broader range of in-depth quality services than most municipal fire departments. There are benefits that accrue in being part of a larger organization. In the case of the District, these benefits are packaged in an organization that strives to be a hometown fire department to each of the cities and communities it serves in terms of attentiveness and responsiveness.

Regional Concept of Services Delivery

The District operates under a regional concept in its approach to providing emergency services to District cities and unincorporated areas of Los Angeles County. To provide the best response times possible, the closest available resource is responded to all incidents regardless of jurisdictional or municipal boundaries, thereby providing an optimum level of service to all areas served.

Fire Ground and Emergency Operations

The fire service has recognized standards for the provision of fire and emergency medical services. Some of these standards are dictated by federal or state regulations. Tasks such as commanding and coordinating responding units, operating the fire equipment, searching for and rescuing trapped persons, laying out and attacking the fire with hoses, etc., must be done by an **adequate number** of properly trained and equipped staff. All the tasks must

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be accomplished in rapid sequence within very limited and critical time frames. Criteria such as “prior to flash over,” “confinement to building of origin,” “prior to brain death,” and “time to intervention” are applied.

The service configuration presented in this Proposal, with supporting District resources, provides strengthened numbers of trained staff to quickly perform required tasks and meet standards within the City.

Major or Simultaneous Incidents

The City Fire Department has the capability of managing small, routine incidents but not large, complex, or simultaneous incidents involving major loss of life or property. While the City has addressed this issue through the use of automatic and mutual aid agreements, emergency operations are less effective under these agreements than if City forces were an established part of the District and all responding resources were under a unified command. Also, there is usually a dispatch “lag time” for automatic and mutual aid requests, which causes longer response times for assisting units.

Medical Incidents

Simultaneous emergency medical incidents, or those involving two or more persons, can rapidly deplete the capabilities of the City’s paramedic resources. The District has numerous advanced life support paramedic units, equipment, and command staff adjacent to the City to assist or back up initial response paramedics and EMTs during these incidents.

Response Times

In most cases, the District would be responding from the same City stations or closer District stations on a “first-in” response. Response times in the City should equal the existing response times or improve, since some areas of the City may be closer to an adjacent District station.

Move-Up Coverage

District policy would require automatic engine company "move-up" coverage of any designated critical coverage City station(s) when the jurisdictional engines are committed to emergencies anticipated to last 30 minutes or more. Just as District resources outside the City would be used to move up and cover a designated City station(s), a selected company in the City may be used to move up and cover stations outside the City when necessary.

Technical Expertise

The District is a progressive leader in the fire service. It is comprised of many individuals and groups with specialized skills and equipment who provide a high degree of efficiency and cost-effectiveness for both routine and emergency functions. Although District urban

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search and rescue, hazardous materials squads and helicopter operations receive much publicity, the District's scope of expertise and specialization is wide and varied. A few examples follow:

- Arson investigators are full-time professionals.
- Specially trained members of the Joint Regional Intelligence Center (JRIC) Terrorism Early Warning Group (TEW) which is comprised of personnel from other agencies such as the Sheriff's Department, L. A. City Fire Department, L. A. City Police Department, Department of Health Services, FBI, the Rand Corp., and others.
- Six OES/FEMA certified urban search and rescue dogs and one ATF certified arson dog.
- Swift water rescue teams.
- Fire prevention staff are specialized and develop in-depth knowledge in particular areas. These areas include:

Schools and Institutions – Conducts inspections of schools and institutional type buildings.

Area Offices – Inspections include new construction, tenant improvement, large occupancies, public assemblies, some of the smaller projects and tenant improvement plan checks.

Petroleum and Chemical Unit – Conducts inspections of refineries, large chemical plants, etc.

Arson/Fire Investigation Unit – Conducts arson investigations and cause determination investigations.

Engineering/Plan Check Section – Reviews all new construction/large tenant improvement plans for Fire Code requirements.

Health/Hazardous Materials Division – Handles hazardous materials disclosure.

- A full-time, professionally equipped video unit produces quality and effective audio and visual training materials.
- Special committees provide procedures and training for railroad incidents, truck operations, wildland pre-attack, fire prevention and other specialized areas.
- Experienced administrative paramedics or the District's Emergency Physician/Medical Director coordinate multi-casualty medical procedures.

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- A full-time, licensed breathing apparatus technician and experienced, trained assistants repair and maintain breathing apparatus.
- Registered nurse/professional educators coordinate EMT training.
- The Information Management Division, with approximately 49 skilled technicians, provides computer support to the field, administration, and the Command and Control Division (dispatching).
- The District's 53 fire shop and field mechanics maintain the District's apparatus for maximum use and efficiency.
- A state-of-the-art, computerized Command and Control Center dispatches and manages the closest available resources on an incident. All first responder units are equipped with an automatic vehicle locator device (AVL) that sends real time data reflecting the location of each unit, unit type, and current rate of travel. Dispatching and command staff see exactly where resources are at any time so that units can be moved or repositioned, if necessary, to optimize the use of emergency first responders based upon their actual location.

Following are examples of the District's specialized emergency apparatus and units:

Urban Search and Rescue (USAR) Task Forces – Comprised of a USAR Squad and a USAR Engine, these two units combine to form a USAR Task Force that are specially trained to respond to technical rescues, collapsed structures, trench rescues, confined space rescues, swift water rescues, cliff rescues, major vehicle accidents with entrapment, and structure fires.

Hazardous Materials Emergency Response Task Forces – Comprised of a Hazardous Materials Squad and Engine, these two units are staffed with firefighters who are specially trained to provide immediate response to hazardous chemical emergencies and collapse incidents and provide additional personnel for major emergencies.

Water Tenders – Provide water if hydrants fail.

Metropolitan Incident Resource Vehicle (MIRV) – A vehicle designed to convey supplies and equipment to support a multi-casualty mass decontamination operation.

Tractors – Transport bulldozers and search and rescue trailers to incident sites.

Rehabilitation and Food Trucks – Assist fire fighters working on incidents for extended times.

Bulldozers – Dike off hazardous materials flows or flood waters, assist in rescue efforts, fire overhaul, and wildland firefighting.

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Light Units – Provide lighting and electricity for effective nighttime operations.

Brush Patrol Trucks – Provide jurisdiction patrolling and immediate extinguishment of small fires in the urban interface areas.

Foam Units – Provide special types of foam application for chemical and petroleum fires. These are separate from foam units carried on engine companies.

Mobile Air Units – Provide on-scene refill of breathing apparatus to enable continuous firefighting operations.

Mobile Command and Communication Centers – Allow on-site communication and coordination of resources at major incidents such as floods, earthquakes, explosions, large industrial or life loss incidents.

Helicopters – Provide paramedic treatment and transport in life-threatening situations as well as fire suppression water-dropping capabilities and air reconnaissance for major disasters. The District has 9 helicopters which includes 3 Firehawks with a water capacity of 1,000 gallons, and 6 Bell 412's.

Emergency Support Teams (ESTs) – Strategically located two-person units provide first-alarm firefighting support to specific areas in the District to augment firefighting staffing.

Deluge Units – Provide very large water streams for effective application and knockdown of large industrial fires.

While the resources listed above are representative of the specialized capabilities of the District, application of these specialized resources in addition to the economy of scale the District enjoys leads to the high quality and wide variety of service the District offers the City.

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PROPOSED OPERATION BY THE DISTRICT

The District has studied the fire protection and emergency medical service needs of the City. The District's proposed staffing level, resource deployment, and an Estimated 2009-10 Annual Fee for District services is detailed below

Operations Staffing:

City Station	Equipment	Post ^(a) Positions	Est. 2009-10 Resource Cost
1	Paramedic Assessment Engine	3	\$1,840,926
2	Paramedic Assessment Quint	4	\$2,262,051
	Paramedic Squad	2	\$1,162,545 ^(b)
3	Paramedic Assessment Engine Patrol ^(c)	4	\$2,326,110
4	Closed	-	
	Total daily staffing	13	

Fire Prevention Staffing:

	Positions	
Fire Fighter Specialist	1	\$164,335
Fire Prevention Engineering Assistant II	0.2	\$23,834
		<hr/>
Total Estimated Salary and Employee Benefits		\$7,779,801
Overhead @ 32.6426%		2,539,530
		<hr/>
Estimated 2009-10 Annual Fee		\$10,319,331
		<hr/> <hr/>

(a) Three persons staff each post position through a 56-hour work week. Station operations include overtime required to maintain 24-hour constant staffing.

(b) The paramedic squad cost includes three paramedic bonuses; one for each of the two paramedics assigned to the squad itself, and one for the paramedic assigned to the assessment engine.

(c) The patrol, which is lighter and faster than an engine company, will be responded, when appropriate, with the assessment engine.

Note: Should the City wish to upgrade any of the paramedic assessment units to a full paramedic unit, an additional paramedic bonus would be added to the resource cost. For 2009-10, the paramedic bonus for a fire fighter paramedic post position is \$64,059 and for a fire fighter specialist post position is \$78,849.

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The Proposed Service Level consists of the provision of service from City Fire Stations 1, 2, and 3 utilizing four paramedic units: two (2) Paramedic Assessment Engines, one (1) Paramedic Assessment Quint, and one (1) Paramedic Squad. While City Fire Station 4 would not be staffed, a fire patrol vehicle would be assigned to Fire Station 3 and would respond in tandem with the Paramedic Assessment Engine to emergency calls such as brush fires, as well as perform brush patrol duties as needed in the City.

A fire patrol vehicle has a 250-gallon water tank with a 150 GPM pump used for quick attack in urban interface areas. It is much smaller and lighter than an engine company, so it could provide a quicker response time than the engine company.

Potential for Future City Savings

With the proximity of District Fire Station 192 in the adjacent City of La Habra to Brea's Fire Station 1, there is an opportunity for additional cost savings if both cities were interested in entering into a joint venture to relocate and consolidate Brea Fire Station 1 and La Habra Station 192 to a site on their mutual border. The consolidation of these two facilities, while resulting in one-time capital outlay costs, would result in a 50/50 cost share between Brea and La Habra of the resources assigned to the new facility. For comparative purposes, the consolidation of these two facilities would reduce the City of Brea's annual fee to \$9.4 million (based upon 2009-10 costs).

Paramedic Engines vs. Paramedic Assessment Engines

The City currently provides paramedic service from two paramedic engines in the City. While such a service model appears very favorable, there can be limitations and constraints associated with paramedic engine companies.

Paramedic follow-up to a hospital requires two paramedics in certain medical emergencies. For example, when a heart attack or trauma patient encounters complications requiring immediate medical intervention while en route to a hospital, both paramedics are needed for patient stabilization procedures. Therefore, the engine would be out of service and unavailable for another emergency while follow-up to the hospital is underway. While proximity to a hospital makes more efficient use of a paramedic engine, if the local hospital is not able to immediately accept the patient due to the type of patient (pediatric, trauma, etc.) or lack of available emergency room beds, then engine company out-of-service time is increased. Furthermore, where paramedic engines deliver paramedic services, a fire or other non-medical emergency can easily tie up all of the City's fire companies, and therefore the City's paramedic resources, which greatly diminish paramedic coverage for extended time periods.

An assessment engine, staffed with a single paramedic and supported by a paramedic squad, provides the highest level of care almost all of the time. It can provide for the rare circumstance when only a paramedic skill or intervention can save a life or prevent further injury in the first few minutes of an emergency. The paramedic procedures utilized in an assessment engine configuration are based on standing orders without base station

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hospital contact. After immediate intervention by the assessment engine paramedic and upon arrival of the paramedic squad, who would take over management of the patient, the assessment engine is then available for subsequent fire suppression or medical emergencies.

Trucks vs. Quints

A truck apparatus, which the City currently has in service at City Fire Station 2, has an aerial ladder and carries ground ladders, forcible entry tools, extrication tools, chainsaws, rotary saws, salvage covers, generators, lighting, and shoring equipment. Firefighters typically carry out tasks with such tools, including roof ventilation, horizontal and vertical ventilation, and forcible entry into structures. Extrication tools i.e. “jaws of life” are used to remove victims from a vehicle accident. Equipment carried on a truck is also used to shore up buildings, remove water from a structure and perform technical rope rescues. The aerial ladder is used for water tower operations and high-rise rescues.

A quint apparatus, which the District is proposing to place in service at City Fire Station 2, has the same capability as a truck company as described above but also has a 1500 GPM pump, a 300 gallon water tank and carries an adequate amount of hose. Thus, a quint is a very versatile and valuable piece of equipment which can carry out dual operations, both as a single resource engine or as a truck company.

Patient Transport

The District provides, without charge to patients, pre-hospital paramedic/emergency medical services, including ALS. The District does **NOT** provide ambulance transportation. Emergency patients are transported to the hospital utilizing private ambulance service under contract with the County Department of Health Services, using the exclusive operating area arrangement. The ambulance provider currently serving the City of Brea, Emergency Ambulance Company, could continue to operate in the City.

District fire fighter paramedics would accompany the patient in the ambulance if needed for patient care. The private ambulance firm would charge the responsible private party for transportation. The City **would not** incur any costs from this arrangement. Any revenue generated by fees that the City charges through arrangements with the private ambulance firm would remain City revenues. Any changes to the City’s ambulance program would require coordination through the Orange County Emergency Medical Services Agency.

Adjacent District Resources

There are numerous District fire and paramedic resources immediately adjacent to the City which would provide direct and support service under the regional service delivery concept. Listed in more detail in Appendix F, the following resources are currently assigned within five miles of the City’s boundaries:

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- 6 Engine companies (4 Paramedic Assessment Engines)
- 2 Paramedic squads
- 1 Ladder truck company

Total District on-duty daily staffing within 5 miles of the City = 28

Total District resources within six miles of the City's boundaries are:

- 9 Engine companies (6 Paramedic Assessment Engines)
- 3 Paramedic squads
- 1 Ladder truck company
- 1 Emergency Support Team

Total District on-duty daily staffing within six miles of the City = 42

ADDITIONAL DISTRICT SERVICES

Dispatch and Communications

Dispatching for District units in the City would be provided from the District's Fire Command and Control Facility located at 1320 North Eastern Avenue, Los Angeles. Fire communications specialists staff the facility, all of whom are Emergency Medical Dispatchers (EMDs). They are trained to provide lifesaving instructions over the phone while persons are waiting for the arrival of emergency units.

If the City contracts with the District, the "911" emergency reporting system would remain in effect. A direct computer link and a direct telephone (ring-down) line or "speed dial" system would be maintained between the City police communication/dispatch center which is the PSAP (public safety answering point) and the District Fire Command and Control Facility.

All District emergency vehicles contain mobile data terminals (MDTs) and automatic vehicle locators (AVLs) for the most efficient communication and allocation of resources. Command and other appropriate units use cellular phones in addition to radios.

Fire Prevention

District fire prevention is provided by both the Prevention and Operations Bureaus. Should the City choose to contract with the District, the City would receive the following fire prevention and related services:

- Building inspections for all commercial, industrial, high-rise, and multi-residential occupancies.

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- Fire prevention inspections in connection with the issuance of business licenses, at the request of the City.
- Inspection of schools and institutional occupancies.
- Dwelling brush clearance inspections.
- Public education programs.
- Investigation of all fire hazard complaints from area residents.
- Review of all building plans, subdivisions, conditional use permits, zone changes and water system improvement plans.

Coordination Between City and District

Recognizing that constant liaison is essential between the City and its fire department, the area Assistant Fire Chief, along with his Community Service Representative, would maintain a day-to-day working relationship with the City Manager and, through her/him, the City Council. The Assistant Fire Chief would be responsible for representation at meetings called by the City Clerk, meetings of the City Council, and other City staff meetings where District input is needed. The Assistant Fire Chief would act as the personal representative of the Fire Chief of the District on all daily operations between the City and the District.

Emergency Preparedness

Internal City emergency management, programs, and responsibilities would remain with the City.

Public Education

Community and school education programs are provided as a District service by local fire stations, assisted by the regional Community Services Representatives.

Weed Abatement

The City's Fire Department currently administers the City's weed abatement program. Should the City contract with the District, all brush inspections would be handled by the District.

Fire Cause and Arson Investigation

Fire cause determination services are provided by the District. According to established policy, either the engine company officer, Battalion Chief or, if necessary, the Fire Investigation Unit conducts an initial investigation and establishes the cause of the fire.

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Should the cause be determined to be arson, the District's arson investigation service would handle the investigation assisted by the City Police Department.

Hazardous Materials Programs

Were the City to contract with the District, the District could become the administering agency for the City for the Hazardous Release Response Plan Inventory Program and the Risk Management and Prevention Program. The District would collect all program-related fees as the administering agency. District fee structure, as required by law, is designed only to offset the costs of administering the program. It would be necessary for the City to take the appropriate action necessary to transfer the administrative responsibilities and make required notifications to the City's Certified Unified Program Agency (CUPA) and the California Office of Emergency Services.

Hydrants

The City of Brea Water Division would retain responsibility for providing an adequate water system for fire protection without cost to the District.

The District would annually inspect all fire hydrants within the City to ensure that they are mechanically operable and capable of delivering water in accordance with standard District policy. The District would notify the City of Brea Water Division, in writing, of any maintenance requirements as soon as possible after such inspections and at any other time the District becomes aware of maintenance or repair requirements. The District would maintain liaison with the City's Water Division for water needs during emergencies and routine functions.

ANNUAL FEE FOR DISTRICT SERVICES

The District's estimated 2009-10 Annual Fee is comprised of salaries, employee benefits, and overhead costs for the proposed staffing level to be provided within the City, net of any cost sharing. This estimated annual fee amount can be compared to the City's current Fire Department budget, plus any Fire Department related costs incurred by the City and not a part of the Fire Department budget, to project the amount of savings the City would have realized had it contracted with the District the entire fiscal year.

The annual fee, as described in this report, would fund all fire suppression, hazardous materials response, fire prevention, emergency medical services, and support functions such as dispatching, training, equipment maintenance, supply, procurement, and all other services required for the effective operation of a modern fire department.

The City would pay the annual fee directly from municipal funds. The annual fee would be prorated on a monthly basis; payments by the City would be due monthly in advance. Interest would be added to any payment received after the due date.

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Fire protection, hazardous materials, and emergency medical services **would not be performed** unless the City:

- Has available funds previously appropriated to cover the annual fee
- and**
- Has paid the appropriated funds to the District.

Approximately sixty (60) days prior to the upcoming District fiscal year (July 1 – June 30), the District would provide an estimate of the fee for the following year. When the District has information available to determine the actual annual fee, the District would present the City with a statement reflecting the difference between the actual and estimated fee. An adjustment representing that difference would be charged or credited to the City over the following 12 months in the subsequent fiscal year.

Annual Fee Payment Cap

The minimum term of an agreement for services between the City and the District would be ten years. A five and one-half percent (5-1/2%) payment cap would be placed on any increases to the City's annual fee each year for the first five years of the Agreement. This payment cap applies only to the City's annual fee payment amount (i.e., the salary, employee benefits, and overhead cost). Calculation of the payment cap would not include any conversion costs, credits, rebates, etc., which may be factored into the City's monthly payment amount.

For the sixth year of the Agreement term, the payment cap would be the average of the immediately preceding four years' percentage increases in the annual fee plus one percent (1%). For the seventh year of the Agreement and each subsequent year, the payment cap would be the average of the immediately preceding five years' percentage increases plus one percent (1%).

In any year where the City's annual fee payment amount exceeded the preceding year's payment amount plus the applicable payment cap, payment of the excess amount would be deferred to a subsequent fiscal year where the increase in the annual fee payment for that fiscal year over the preceding fiscal year is less than the payment cap. The excess amount would be repaid by the City in any subsequent fiscal year to the extent the City's annual fee payment increase in that fiscal year is less than the excess amount for that fiscal year.

District Special Tax

The City would **not** be a part of the District's special tax for fire and paramedic services.

Conversion Costs

Certain items of City apparatus, equipment, and facilities would require conversion, repair, upgrade, or replacement to be compatible with District operations and meet District standards.

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An estimate of those costs based on the existing condition and current inventories is listed on Appendix H and totals approximately \$1.3 million. It is expected that the City would continue normal repair and maintenance of equipment, vehicles, and facilities during agreement negotiations and transition. Should the City pursue negotiations for a service contract and those negotiations last longer than three months and/or should significant maintenance be deferred by the City during this period, conversion costs as listed on Appendix H could be increased. Likewise, significant upgrades, purchases of current District-standard equipment, etc., which are noted as necessary on Appendix H, could result in a reduction of conversion costs.

The final amount for conversion costs would be determined by the City Manager and District Fire Chief at the date of the transition of services and delineated in an agreement for services conversion cost schedule. These are one-time costs, but could be paid by the City to the District over a five-year period in equal monthly payments. Based on the current conversion costs total, the City's 60 monthly payments would equal approximately \$21,200 each, thereby increasing the City's annual cost by approximately \$254,400 for each of the first five years of any service agreement.

Miscellaneous Potential City Savings

Savings could be realized from the elimination of long-term acquisition of City apparatus and related equipment replacement costs. Alternative use or sale proceeds would be gained from any surplus City fire fleet vehicles and any other applicable items not needed by the District. The City fire fleet consists of 14 vehicles. As listed in Appendix G, the District would accept 11 of these vehicles. As the District would only utilize four of these vehicles within the City the District would negotiate with the City for credit against the City's conversion costs for the additional vehicles accepted by the District.

Revenues

Revenues, if any, generated by the District for its services would be revenues of the District. Those revenues may include fees from hazardous materials inspections (recovery of costs) or others. Revenues derived by the City for District services such as business license inspections may be collected and retained by the City as long as they are not in conflict with any District charges. Any revenue generated by fees that the City charges through arrangements with the private ambulance firm would remain City revenues.

Unincorporated Islands

The District would continue service under the City's automatic aid agreement with the Orange County Fire Authority for the provision of fire protection services to the unincorporated Orange County islands located within and adjacent to the City of Brea.

City Annexations

The annual fee for service is predicated upon the City's current service requirements and boundaries. To maintain adequate levels of service, increases in fire and emergency medical services resources may be needed by the District if City annexations occur. Should the City annex additional territory, City and District would need to assess resultant service needs.

TRANSITION FROM CITY TO DISTRICT

City Personnel

The California Health and Safety Code (Section 13861) and the California Government Code (Sections 53292 and 55632) provide the legal authority for the District to furnish services to the City and to blanket in or appoint City Fire Department personnel to District status. Ultimately, the blanketing in of personnel is subject to joint agreement between the City Council and the Board of Supervisors, the details of which would be specified in an agreement for services.

Firefighting personnel with less than six months' service with the City at the time of transfer to the District, as well as trainees, reserves, auxiliaries, cadets, and fire fighter apprentices, could not be brought in as District employees. Positions and salaries of all personnel blanketed in to the District would be specified in the agreement for services between the City and the District. There would be no reduction in salaries of City fire fighters blanketed in as District fire fighter series employees. Appointment of non-uniformed civilian or non-medically qualified fire fighters for non-safety positions is subject to District needs and negotiation and would require a probationary term for any of these employees.

All personnel would be subject to a medical examination, drug screen, and an appropriate personnel review prior to acceptance as District employees. Those not qualifying would remain the obligation of the City.

Personnel costs associated with the agreement for services between the City and the District including transfer of any sick and/or vacation time as discussed below, would be defined during the negotiation process.

Benefit Time

All employees blanketed into the District would receive benefits now provided to District personnel. All time spent in rank as City/District employees would be considered for purposes of determining benefit accrual. Some of the prevailing benefits and conditions are vacation time, holidays, sick leave, retirement plan, and group insurance.

So that no employee is transferred to the District without any available benefit time, the City would be required to transfer to the District for each employee, to the extent the employee

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is entitled to such benefit time in City employment, a maximum of 20 vacation days, or 10 shifts, whichever is applicable, and 12 sick days, or 6 shifts, whichever is applicable. City would reimburse the District for transferred benefit time at City salary rates. All remaining benefit time, such as vacation days, holidays, sick leave, etc., accrued prior to the employee's transfer to the District would remain as obligations of the City. All City employees would be subject to the Hospital Insurance Tax and any other applicable federal regulations.

CalPERS/LACERA Retirement

A sworn City employee transferring to the District would become a LACERA member on the first day of the month following the transfer of service to the District. CalPERS and LACERA retirement systems are reciprocal. A transferring City employee may leave his or her retirement contributions on deposit with CalPERS and establish reciprocity. The member's LACERA contribution rate would be based on his or her age upon entering the earliest reciprocal system.

At the time of retirement, a reciprocal member would receive retirement benefits from both agencies based on the benefits of reciprocity, such as adding service credit under each system to determine eligibility to retire and using the highest earnings under either system to calculate benefits from both. Service with CalPERS or other reciprocal system is not used to determine the amount Los Angeles County contributes towards the members' retiree health insurance premiums.

While a transfer of PERS contributions for City fire fighters is authorized under California Government Code 20586, it is not guaranteed. Such a transfer is subject to agreement by both PERS and LACERA Boards.

Probation

Any City employee on probation on the commencement date of service by the District would remain on probation until the Los Angeles County probation requirement for the respective rank is met.

Promoted Positions

Current policy of the District is to accept only as many officers and other promoted personnel as there are positions created within the District as a result of the City's contracting with the District. The City would be required to designate the following number of promoted positions and the remaining firefighting members would be blanketed in as fire fighters:

- 9 Captains
- 10 Fire Fighter Specialists

All personnel designated for promoted positions must be duly qualified to hold those positions.

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Seniority

The provision of services to the City by the District would create 40 additional District sworn positions; therefore, 40 uniformed personnel with the highest City Fire Department seniority would receive seniority rights based on service time with the City Fire Department. The remaining transferring employees would be assigned a seniority date consistent with the effective date of transfer and placed on the District's seniority list in order of their relative service time with the City Fire Department. As those transferring uniformed employees with full seniority status leave District service, the other transferring uniformed employees would be assimilated into full seniority status based on their total time in service as uniformed City/District employees.

Employees would be eligible for promotional examinations within the District without regard to the normal six-month period applicable to new employees. All time spent in rank as City/District employees would be considered for purposes of determining eligibility for promotional examination.

City Equipment

The City would transfer to the District its interest, right, and title, which shall be free and clear, in specified pieces of vehicular equipment which would be necessary for the operation within the City by the District. Appendix G identifies the City vehicles which the District would be interested in acquiring, however, the value of any surplus equipment transferred to the District but not necessary for the operation within the City would be determined by the District and credited against the City's conversion costs.

Major fire equipment or other equipment essential to the operation of the vehicles or stations would also be transferred. All vehicles and major equipment transferred would be specified in an agreement for services negotiated by the City and the District. Expendable equipment, tools, fixtures, furnishings, supplies, and all items incidental to the operation of the Fire Department would also be transferred but not specified. This includes all items currently in possession or assigned to the City Fire Department unless specifically excluded.

The District would provide service in the City utilizing two engine companies, a paramedic squad, a patrol, and a quint. A quint is a truck company with a pump and an aerial ladder that is pre-plumbed for water tower operations. Since the City has a tiller truck which is currently in excellent condition and would be accepted for transfer by the District, if the City would agree to transfer this apparatus to the District, the District would place a quint apparatus of comparable age and condition in service in the City at no charge to the City. (See page 16 for a comparison of truck versus quint apparatus.)

The method by which any vehicles leased by the City would be transferred would be addressed in an agreement for services. An agreement for services would also specify the disposition of the equipment and vehicles transferred in the event the agreement is terminated.

City Fire Department Facilities

If the City were to contract with the District three existing City fire stations would be occupied by the District; City Fire Stations 1, 2, and 3. The District would lease the City fire stations for \$1 per year, per facility. For the first five years, fire station maintenance and minor repairs would be the responsibility of the District to the extent of \$25,000 per station for the first year, and would increase by 5% each year until the sixth year. All repairs in excess of the District's annual share would remain the responsibility of the City. Beginning the sixth year, all fire station minor repairs and maintenance would be the responsibility of the District, and major repairs would be the responsibility of the City.

Landscape Maintenance

Currently the City maintains a contract for mowing and tree trimming at the City Fire Stations. All routine maintenance of the landscaping at City Fire Stations which would be occupied by the District would be performed by District fire station personnel.

Fuel Tanks

City fire apparatus are currently fueled at Fire Stations 2 and 3 and at the City Yard. If agreeable to the City, the District would continue to utilize the City Yard for refueling of the apparatus. Costs and procedures for purchase of fuel by the District from the City at the City Yard would be negotiated. The City would retain all responsibility for previously removed and existing underground fuel tanks, fuel pumps, piping, etc., located at any City fire stations occupied by the District, including but not limited to any leaks, soil contamination and/or necessary remediation as a result thereof.

Potential Regionalization

It should be noted that District resources are organized for maximum efficiency on an area-wide basis. Therefore, any future negotiated station closures or relocations would be in the interest of providing effective service consistent with the regional service concept of the District and mutually determined by the City and the District. Should the City and District determine that the location of any fire station is no longer feasible, the cost of any relocation site and new fire station would be borne by the City.

Site Assessments

Prior to the commencement of services by the District, the City would be required to have performed an Electromagnetic Field Survey, a Phase I Site Assessment and Building Asbestos Survey, and a Phase II Site Assessment, if subsequently required, for the three proposed District-staffed City fire stations and Training Tower. The site assessments would be conducted by a Cal-OSHA registered environmental assessor who would determine if asbestos, fuel, lead paint, or other environmental contaminants or hazards are present.

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All site assessment reports would be reviewed by the District and its environmental services consultants to determine if pertinent standards have been met or if further mitigation measures are required. The City would be required to mitigate and abate all environmental hazards and provide evidence to the District that all recommended measures have been completed and that all applicable laws and requirements have been complied with. Any residual contaminations discovered any time after District occupancy would be the responsibility of the City to abate.

All costs relating to Phase I and II site assessments and hazard abatement/mitigation measures would be borne by the City.

WITHDRAWAL FROM THE DISTRICT

An agreement for services entered into by the City and the District would be for a minimum term of ten (10) years. Should the agreement be terminated by either party subsequent to the initial term, the distribution of assets would be determined as defined in the agreement.

The District would not be obligated to return to the City any item such as apparatus, vehicles, furnishings, equipment, tools, or other personal property for which a monetary or in-kind credit was given to the City.

SUMMARY

An agreement for services between the City of Brea and the District would result in the City becoming an integral part of an organization which provides quality services to 58 cities and the unincorporated area of Los Angeles County on a regional fire protection basis. Under this regional concept, whereby fire stations are strategically located throughout the service area, efficient use of resources for response to alarms is provided.

Three existing City fire stations would be occupied by the District. Daily, on-duty staffing would total thirteen (13) in the City.

Forty-two (42) daily on-duty staff, located within six (6) miles of the City's boundaries, would also be immediately available for fire, hazardous materials, and medical emergencies within the City.

Station locations and staffing requirements would be subject to future modification by the City and the District in the interest of providing the best and most cost-effective protection and service for the City and the regional area.

Participation in the District offers a means for the City to provide and maintain a very high level of emergency services. Had the City contracted with the District for the entire fiscal year, the estimated 2009-10 Annual Fee would have been \$10,319,331.

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The provision of service to the City by the District would result in conversion costs to be paid by the City in equal monthly payments over a 60-month period. Based on the current condition and inventory of the Brea Fire Department's facilities, apparatus, equipment, uniforms, etc., the conversion costs would be approximately \$1.3 million. The City could realize additional savings through the sale or alternative use of retained fire fleet vehicles.

The initial agreement term would be a minimum of ten (10) years.

GLOSSARY

ALS	Advanced Life Support including emergency care by a certified paramedic (EMT-P)
BLS	Basic Life Support including emergency care provided by an Emergency Medical Technician (EMT-1)
BOARD OF SUPERVISORS	The Los Angeles County Board of Supervisors, Board of Directors of the Consolidated Fire Protection District of Los Angeles County
CITY	The City of Brea
CITY COUNCIL	The City Council of the City of Brea
DISTRICT	The Consolidated Fire Protection District of Los Angeles County, also commonly referred to as the Los Angeles County Fire Department
EMERGENCY MEDICAL SERVICES	Includes pre-hospital emergency medical care, emergency first aid, basic life support, and advanced life support (paramedic services), but not ambulance transportation.
EMT-1	Emergency Medical Technician 1 – personnel certified to perform basic life support and first aid.
EMT-D	Emergency Medical Technician D – personnel certified to perform basic life support, first aid, and to operate an automatic defibrillator.
LACERA	Los Angeles County Employees Retirement Association
WILDLAND URBAN INTERFACE	Area where development and wildland fuels meet at a well defined boundary.

**CITY OF BREA
CITY MINIMUM STAFFING, EQUIPMENT, AND FACILITIES**

Station 1 – 555 N. Berry Street

Paramedic Engine 1*

- 1 Fire Captain
- 1 Engineer
- 1 Fire Fighter
- 1 Fire Fighter Apprentice **

Station 2 – 200 N. Brea Boulevard

BLS Engine 2

- 1 Fire Captain
- 1 Engineer
- 1 Fire Fighter

Truck 1

- 1 Fire Captain
- 1 Engineer
- 1 Fire Fighter

- 1 Battalion Chief

Station 3 – 400 N. Kraemer Boulevard

Paramedic Engine 3*

- 1 Fire Captain
- 1 Engineer
- 1 Fire Fighter
- 1 Fire Fighter Apprentice**

Station 4 – 170 Olinda Place

BLS Engine 4 (Type 3)

- 1 Engineer

Total Daily On-duty Staffing = 14

* **Paramedic units** are staffed with two paramedics, who could be of any rank.

** **Fire Fighter Apprentices** are part-time employees, who are not reflected as full-time, daily on-duty professional fire fighters for comparison to District proposed staffing.

**CITY OF BREA
PROPOSED DISTRICT STAFFING AND EQUIPMENT**

Brea Station 1

Paramedic Assessment Engine

- 1 Fire Captain
- 1 Fire Fighter Specialist (Engineer)
- 1 Fire Fighter Paramedic

Brea Station 2

Paramedic Assessment Quint

- 1 Fire Captain
- 1 Fire Fighter Specialist (Engineer)
- 1 Fire Fighter Paramedic
- 1 Fire Fighter

Squad

- 2 Fire Fighter Paramedics

Brea Station 3

Paramedic Assessment Engine

- 1 Fire Captain
- 1 Fire Fighter Specialist (Engineer)
- 1 Fire Fighter Paramedic
- 1 Fire Fighter

Patrol

- Staffed with 1 position assigned to the paramedic assessment engine.

Total Daily On-duty Staffing = 13

**CITY OF BREA
CITY VS. PROPOSED DISTRICT STAFFING WITHIN CITY**

Station	City of Brea		District Proposal	
	Unit/Apparatus Type	Staffing	Unit/Apparatus Type	Staffing
1	Paramedic Engine	3*	Paramedic Assessment Engine	3
2	BLS Engine Truck Battalion Chief	3 3 1	Paramedic Assessment Quint Paramedic Squad	4 2
3	Paramedic Engine	3*	Paramedic Assessment Engine and Patrol Vehicle	4
4	Type III Engine	1		
Total Daily Permanent Staffing:				
CITY		14	DISTRICT	13

* The staffing on these units is augmented with a fourth position filled by part-time apprentices, which are not included in the City staffing totals.

CITY AND DISTRICT RESPONSE CONFIGURATION COMPARISON

STRUCTURE FIRE RESPONSE

<u>Structure Type</u>	<u>BREA RESPONSE</u>	<u>DISTRICT RESPONSE</u>
	<u>Equipment</u>	<u>Equipment</u>
Initial Dwelling Response	3 Engines* 1 Truck 1 Battalion Chief	4 Engines 1 Truck/Quint 1 Paramedic Squad 1 EST 1 Battalion Chief
Total Average Staffing	13	22

COMMERCIAL FIRE RESPONSE

Initial Commercial Response	3 Engines* 2 Trucks (1 Auto Aid Truck) 1 Battalion Chief	5 Engines 2 Trucks/Quints 1 Paramedic Squad 2 Battalion Chiefs 1 EST
Total Average Staffing	17	31
Commercial Second Alarm	3 Auto Aid Engines 2 Auto Aid Trucks 1 Auto Aid Battalion Chief	4 Engines 2 Trucks/Quints 1 Paramedic Squad 1 Haz Mat Squad 1 Haz Mat Engine 1 Mobile Air 1 USAR Squad 1 USAR Engine 2 Battalion Chiefs 1 Assistant Chief
Total Average Staffing	38	105
Commercial Third Alarm	3 Auto Aid Engines 2 Auto Aid Trucks 1 Auto Aid Battalion Chief	4 Engines 2 Trucks/Quints 2 Battalion Chiefs 1 Assistant Chief 1 Deputy Chief
Total Average Commercial Response	59	128

*Does not include City Apprentice positions.

Note: For City staffing, the District is assuming that responding Auto Aid Trucks and Engines carry 4 personnel.

CITY AND DISTRICT RESPONSE CONFIGURATION COMPARISON

HIGH RISE/MALL RESPONSE

	BREA RESPONSE	DISTRICT RESPONSE
<u>Type</u>	<u>Equipment</u>	<u>Equipment</u>
Initial High Rise/Mall Response	3 Engines* 2 Trucks (1 Auto Aid Truck) 1 Battalion Chief	5 Engines 2 Trucks/Quints 1 Paramedic Squad 1 EST 2 Battalion Chiefs
	17	31
Total Average Staffing		
High Rise/Mall Second Alarm	3 Auto Aid Engines 1 Auto Aid Truck 1 Auto Aid Battalion Chief	4 Engines 2 Trucks/Quints 1 Paramedic Squad 1 Haz Mat Squad 1 Haz Mat Engine 1 Mobile Air 1 USAR Squad 1 USAR Engine 1 Battalion Chief 1 Assistant Chief
	34	105
Total Average Staffing		
High Rise/Mall Third Alarm	3 Auto Aid Engines 1 Auto Aid Truck 1 Auto Aid Battalion Chief	4 Engines 2 Trucks/Quints 2 Battalion Chiefs 1 Assistant Chief 1 Deputy Chief
	51	128
Total Average High Rise/Mall Response		

*Does not include City Apprentice positions.

Note: For City staffing, the District is assuming that responding Auto Aid Trucks and Engines carry 4 personnel.

CITY AND DISTRICT RESPONSE CONFIGURATION COMPARISON

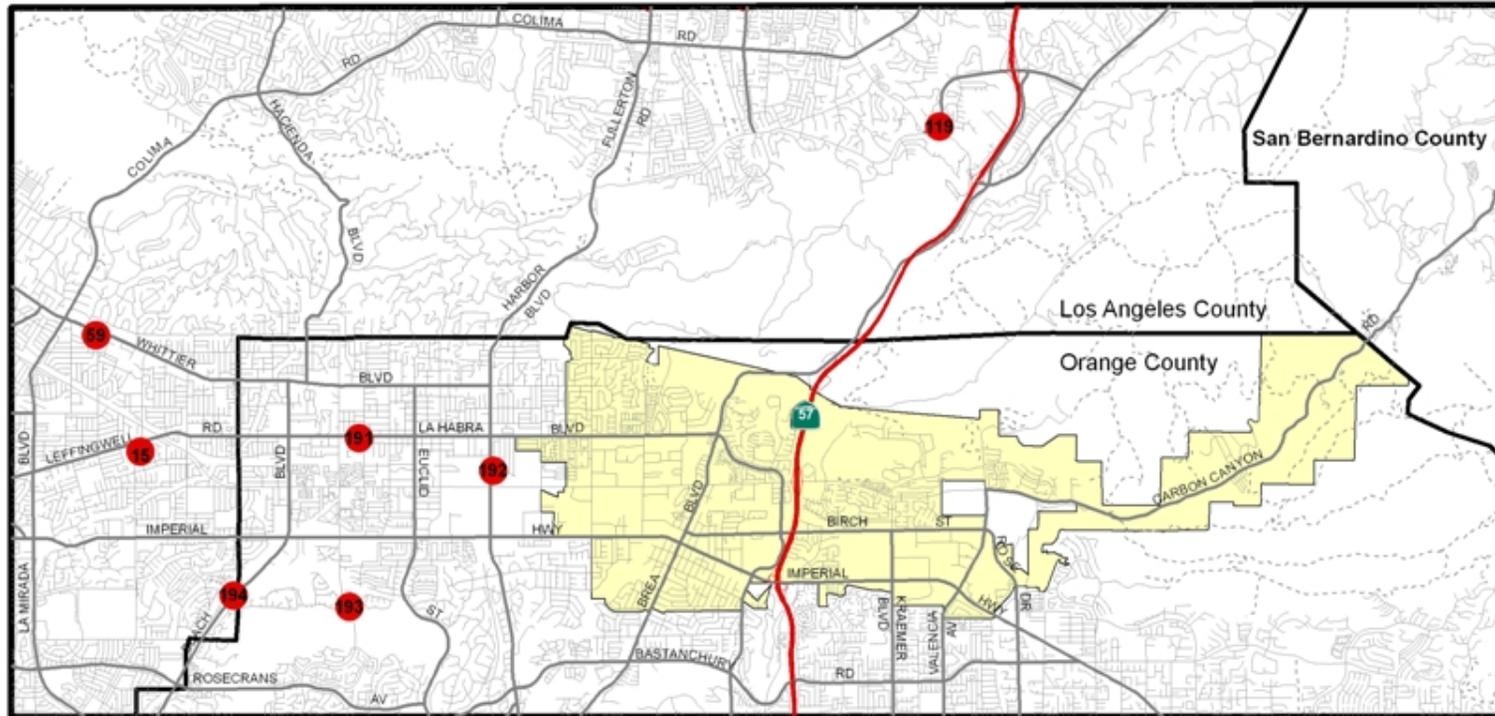
BRUSH FIRE RESPONSE

	BREA RESPONSE	DISTRICT RESPONSE
<u>Type</u>	<u>Equipment</u>	<u>Equipment</u>
Initial Brush Response	4 Engines* 1 Battalion Chief	7 Engines 1 Patrol 3 Helicopters (1 with fly firefighting crew) 4 Ground Crews 1 Dozer Team 1 Water Tender 3 Superintendents 2 Super Scoopers (seasonal) 2 Battalion Chiefs 1 Paramedic Squad
Total Average Staffing	<hr style="width: 100%;"/> 11	<hr style="width: 100%;"/> 119
Second Alarm Brush	Outside Agency Strike Teams TBD by IC	5 Engines 4 Ground Crews 1 Dozer Team 1 Water Tender 1 Heavy Equipment Superintendent 1 Helitender 1 Helitanker 2 Battalion Chiefs 1 Assistant Chief
Total Average Staffing	<hr style="width: 100%;"/>	<hr style="width: 100%;"/> 211
Third Alarm Brush	Outside Agency Strike Teams TBD by IC	10 Engines 2 Battalion Chiefs 1 Deputy Chief
Total Average Brush Response	<hr style="width: 100%;"/>	<hr style="width: 100%;"/> 254

*Does not include City Apprentice positions.

Note: For City staffing, the District is assuming that responding Auto Aid Trucks and Engines carry 4 personnel.

Los Angeles County Fire Stations Within Five Miles of the City of Brea



Legend

 City of Brea

0 0.350.7 1.4 2.1 2.8
Miles



APPENDIX F

**DISTRICT STATIONS AND RESOURCES WITHIN FIVE MILES
OF NEAREST CITY BOUNDARY**

District Station Number	Engine Company	Quint/ Truck Company	Paramedic Rescue Squad	Post Position Staffing	Route Distance to Nearest Boundary (Miles)	Distance to Center of Brea Lambert / Kraemer (Miles)
15		X (a)		4	3.80	7.75
59	X			4	4.74	8.72
119	X		X	5	3.60	5.45
191	X (b)		X	5	1.53	5.53
192	X (b)			3	0.53	4.16
193	X (b)			3	2.80	6.56
194	X (b)			4	3.42	7.18
TOTAL	6	1	2	28		

(a) Quint - A single fire apparatus combining both pumper and ladder truck features.

(b) Paramedic Assessment Unit

APPENDIX G**CITY OF BREA
ACCEPTANCE OF AUTOMOTIVE EQUIPMENT**

The following automotive equipment and apparatus would be accepted by the District. Credit against conversion costs would be negotiated for automotive equipment not directly needed to serve the City.

Vehicles necessary for District operation in the City:

Brea I. D.	Make	Year	Type	License No.	VIN #
23014	KME	2003	Pumper	1155177	1K9AF42813N058680
23012	KME	2003	Pumper	1155178	1K9AF42833N058681
27013	FORD EXPLORER	2007	Staff	1261657	1FMEU63E57UA86120
27008*	PIERCE	2007	Truck	1261210	4P1CD01F77A007057

**The District will accept the Truck in lieu of adding the cost of a Quint to City conversion costs.*

Vehicles accepted by the District for Conversion Cost Credit:

Brea I. D.	Make	Year	Type	License No.	VIN #
97005	E-ONE	1997	Pumper	043643	4EN3AAA83V1007692
97006	INTERNATIONAL	1998	Type 3	053527	1HTSEAAN6WH49140
25031	PNEUMAX SKID	2005	Specialty	1104784	1FDAW56S2EC50916
27009	FORD EXPLORER	2007	Staff	1016994	1FMEU63E27UA34217
25021	FORD EXPLORER	2005	Staff	1192487	1FMZU63E35UB09621
99009	SUBURBAN	1999	Staff	1029091	1GNGK26R2XJ487207
22021	FORD F550	2002	Utility	1104784	1FDAW56S22EC50916

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines,
1 Paramedic Assessment Quint, 1 Paramedic Squad, 1 Patrol, 1 Inspector

<u>FACILITIES</u>			
<u>Description</u>	<u>Station 1</u>	<u>Station 2</u>	<u>Station 3</u>
Environmental Sweep (Asbestos/Lead)	\$ 7,605	\$ 7,605	\$ 7,605
Essential Locks	500	1,500	500
Signage	3,500	3,500	3,500
Map Boards	500	500	500
Map Lights	1,500	1,500	1,500
Smoke Detectors	1,000		
Roof Repairs/Assessment/Caps	3,500	20,000	
Alarm Lights	1,000	1,000	1,000
Speaker System Upgrade	500	500	500
HVAC Repairs (Condensate Leak)			100
Diesel Exhaust Systems	10,000	30,000	10,000
Install SCU Antenna Mast	500		
Generator Assessment (200 hrs.)	500		
Duct Cleaning	3,500	3,500	3,500
Patch/Paint (Exterior & north side of int.)	24,000		
Insulate Condensate Line	100		
Shower Pan	9,000		
2" Copper Pipe Leak (Tower)	750		
Privacy and Access Compliance	500	500	500
Perimeter Security (Patio)	5,000		
Air Compressor	3,000		
Apparatus Bay Repair	1,200		
Gold Room Door	500		
(2) Steel Doors for Tower	2,500		
Wooden Door (App Bay/Gold Room)	500		
Non-Essential Interior Locks/Lockers	3,500	2,000	750
Pest Control Treatment (Termites)	2,000		
Hot Start Upgrade	500	500	500
Security Lighting Upgrade	1,000		
Replace Rotted Exterior Beams	2,000		
Water Intrusion (Southern Walls)		10,000	
Access Panel Repairs		250	
Compressor Air Leaks		200	
Comm. Room Chipped Counter Top		1,000	
Drinking Fountain Repairs (1st Floor)		1,000	
HVAC Assess/Repairs/Dampers		12,000	
Water Heater Repair (Drain Line)			100
Bathroom Exhaust Fan Repair			1,000
Exterior Planter Drain			250
Main Restroom Valve/Faucet Replace.			1,000
Kitchen Plumbing/Faucets Repl.			500
Relocate Compressor/Air Leaks			1,500
Miscellaneous Plumbing Issues			2,000
Steel Door w/ Vents			1,250
T-Bar Ceiling Repair			2,500
Required Costs	<u>\$ 90,155</u>	<u>\$ 97,055</u>	<u>\$ 40,555</u>

TOTAL FACILITIES COST - \$ 227,765

Costs identified as of September 2009

The Training Tower at FS 1 is not operational. Conversion costs do not include any costs associated with retrofitting the Training Tower for training purposes.

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines,
1 Paramedic Assessment Quint, 1 Paramedic Squad, 1 Patrol, 1 Inspector

COMMUNICATIONS

<u>Description</u>	<u>Unit Cost</u>	<u>Station 1</u>	<u>Station 2</u>	<u>Station 3</u>
Station Telephone System Replacement		\$13,238	\$14,760	\$13,238
Selective Calling Units (SCU)		35,000	30,000	30,000
In-Building Radio Coverage			50,000	
Radio Systems - Engine	\$5,800	5,800		5,800
Radio Systems - Squad, Patrol, Prevention*	5,500	5,500	5,500	5,500
Radio Systems - Quint	6,000		6,000	
Handheld Blue Radios (1 per vehicle)	2,500	2,500	5,000	5,000
Handheld White Radios (1 per post position)	2,500	7,500	15,000	12,500
Multi Chargers (1 per station)	1,300	1,300	1,300	1,300
Single Charger (1 per post position)	113	339	678	565
Station Totals		\$71,177	\$128,238	\$73,903
		TOTAL COMMUNICATIONS COSTS -		\$273,318

* Radio cost for Prevention inspector's vehicle included in Station 1 costs

Costs identified as of September 2009

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines, 1 Paramedic Assessment Quint,
1 Patrol, 1 Paramedic Squad, 1 Inspector

VEHICLES

Brea Engine 1 - Unit #23014:

<u>Service/Repair Description</u>	<u>Mech Hrs.</u>	<u>Sublet</u>	<u>Parts</u>	<u>Qty.</u>	<u>Cost Each</u>	<u>Total</u>
P.M.	8.0		Fuel Filter	2	\$ 12.00	\$ 24.00
Rear Tires - 12R 22.5	2.0		Oil Filter	1	12.00	12.00
Accumulator Hose	2.0		Air Filter	1	125.00	125.00
Replace exhaust particulate housing (broken)	2.0		Tires	3	404.00	1,212.00
Front pump trans U-Joint worn	1.0		Hose Clamps	3	9.08	27.24
Exhaust leak at turbo clamp	1.0		Particulate Hosing	1	3,500.00	3,500.00
Right side battery box broken	2.0		Universal Joint	1	90.86	90.86
Air conditioning unit inoperative	4.0		Clamp	1	38.30	38.30
Monitor victaulic leaking	2.0		Freon	8	5.00	40.00
Monitor bracket	1.0		Victaulic	1	22.80	22.80
Foam leak at foam pump	2.0		Hose Clamps	16	4.00	64.00
Captain's seat belt	1.0		Gasket	1	20.00	20.00
			Seat Belt	1	209.48	209.48
			Oil, Coolant, Fluids	1	150.00	150.00
Total Mechanic Hours	28.0	\$0.00	Total Parts	41		\$ 5,535.68
Labor Rate	\$ 65.08					
Total Service/Repair Labor	\$ 1,822.24		Total Service/Repair Labor			\$ 1,822.24
			Total Service/Repair			\$ 7,357.92

<u>Outfitting</u>	<u>Mech. Hrs.</u>	<u>Fab. Hrs.</u>	<u>Parts</u>	<u>Qty.</u>	<u>Cost Each</u>	<u>Total</u>
Fabricate and Mount Map Box	1.0	2.0	Misc. Brackets	1	\$ 200.00	\$ 200.00
Install MDT in Cab	6.0		Stainless Sheet	1	1,000.00	1,000.00
Install Blue and White Radios	6.0		Hardware	1	200.00	200.00
Fabricate and Install HT Brackets	1.0	2.0	Nylon Pegs	10	10.00	100.00
Install Capt Clip Board in Cab	1.0	1.0	Extinguisher Bracket	2	40.00	80.00
Door Pockets in Cab	1.0	1.0	B/A Bracket, Non 9g	3	80.00	240.00
Latex Glove Holder	1.0	1.0	Decals	1	100.00	100.00
Axe Brackets	2.0	4.0	Number Plates	7	15.00	105.00
Spanner Brackets. 4ea.	2.0	4.0	Magnets	1	100.00	100.00
Mallot Bracket	0.5					
Force Entry Brackets	1.0	2.0	Total Outfitting Parts	27		\$ 2,125.00
Hose Clamp Brackets	1.0	2.0				
Nozzle Brackets	1.0	2.0				
Shovel Brackets	2.0	3.0				
100' Stinger Box on Tailboard	1.0	3.0				
Install Extinguisher Brackets	2.0					
B/A Brackets, 3ea.	1.0					
Mount Rubbish Hook	1.0	2.0				
Remove City Decals and Prep	4.0	2.0				
Install Decals	2.0					
Install Number Plates and Magnets	3.0					
Total Hours	40.5	31.0				
Labor Rate	\$ 65.08	\$ 73.28				
Total Outfitting Labor	\$ 2,635.74	\$ 2,271.68	Total Outfitting Labor			4,907.42
			Total Outfitting			7,032.42
			Total Service/Repair			7,357.92
			Total Unit #23014			\$ 14,390.34

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines, 1 Paramedic Assessment Quint,

VEHICLES (Cont.)

Brea Engine 3 - Unit #23012:

<u>Service/Repair Description</u>	<u>Mech. Hrs.</u>	<u>Sublet</u>	<u>Parts</u>	<u>Qty.</u>	<u>Cost Each</u>	<u>Total</u>
P.M.	8.0		Fuel Filter	2	\$ 12.00	\$ 24.00
Pinion seal leak at differential	3.0		Oil Filter	1	12.00	12.00
Rear compartment door adjustment	1.0		Air Filter	1	125.00	125.00
Replace rear speed sensor at trans	1.0		Seals	1	42.84	42.84
Captain seat belt	1.0		Sensor	1	70.25	70.25
Repair trans leak at retarder	4.0		Seat Belt	1	209.48	209.48
Replace both tie rod ends	4.0		Gasket	1	84.25	84.25
Exhaust leak at turbo	2.0		Tie rod ends	2	52.03	104.06
Exhaust leak at heat exchanger	2.0		"V" clamp	1	42.24	42.24
Booster pump tear down, clean, inspect, repack	8.0		Hose clamps	16	4.00	64.00
Crack on cab mount	2.0		Rebuilt radiator	1	425.00	425.00
Battery tray crack	2.0		Rotator assy.	2	59.09	118.18
Replace radiator / top tank leaks	8.0		Oil, Coolant, Fluids	1	150.00	150.00
Lights inoperative on light bar	2.0					
Total Mechanic Hours	48.0	\$0.00	Total Parts	31		\$ 1,471.30
Labor Rate	\$ 65.08					
Total Service/Repair Labor	\$ 3,123.84		Total Service/Repair Labor			3,123.84
			Total Service/Repair			\$ 4,595.14

<u>Outfitting</u>	<u>Mech. Hrs.</u>	<u>Fab. Hrs.</u>	<u>Parts</u>	<u>Qty.</u>	<u>Cost Each</u>	<u>Total</u>
Fabricate and Mount Map Box	1.0	2.0	Misc. Brackets	1	\$ 200.00	\$ 200.00
Install MDT in Cab	6.0		Stainless Sheet	1	1,000.00	1,000.00
Install Blue and White Radios	6.0		Hardware	1	200.00	200.00
Fabricate and Install HT Brackets	1.0	2.0	Nylon Pegs	10	10.00	100.00
Install Capt Clip Board in Cab	1.0	1.0	Extinguisher Bracket	2	40.00	80.00
Door Pockets in Cab	1.0	1.0	B/A Bracket, Non 9g	3	80.00	240.00
Latex Glove Holder	1.0	1.0	Decals	1	100.00	100.00
Axe Brackets	2.0	4.0	Number Plates	7	15.00	105.00
Spanner Brackets. 4ea.	2.0	4.0	Magnets	1	100.00	100.00
Mallot Bracket	0.5					
Force Entry Brackets	1.0	2.0	Total Outfitting Parts	27		\$ 2,125.00
Hose Clamp Brackets	1.0	2.0				
Nozzle Brackets	1.0	2.0				
Shovel Brackets	2.0	3.0				
100' Stinger Box on Tailboard	1.0	3.0				
Install Extinguisher Brackets	2.0					
B/A Brackets, 3ea.	1.0					
Mount Rubbish Hook	1.0	2.0				
Remove City Decals and Prep	4.0	2.0				
Install Decals	2.0					
Install Number Plates and Magnets	3.0					
Total Hours	40.5	31.0				
Labor Rate	\$ 65.08	\$ 73.28				
Total Outfitting Labor	\$ 2,635.74	\$ 2,271.68	Total Outfitting Labor			4,907.42
			Total Outfitting			\$ 7,032.42
			Total Service/Repair			4,595.14
			Total Unit #23012			\$ 11,627.56

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines, 1 Paramedic Assessment Quint,
1 Patrol, 1 Paramedic Squad, 1 Inspector

VEHICLES (Cont.)

Fire Prev 4 ('07 Ford Explorer) - Unit #27013:

<u>Service/Repair Description</u>	<u>Mech Hrs.</u>	<u>Sublet</u>	<u>Parts</u>	<u>Qty.</u>	<u>Cost Each</u>	<u>Total</u>
P.M.	2.0		Fuel Filter	1	\$ 10.00	\$ 10.00
			Oil Filter	1	7.00	7.00
			Air Filter	1	12.00	12.00
			Oil, Coolant, Fluids	1	40.00	40.00
Total Mechanic Hours	2.0	\$0.00	Total Service/Repair Parts	4		\$ 69.00
Labor Rate	\$ 65.08					
Total Service/Repair Labor	\$ 130.16		Total Service/Repair Labor			\$ 130.16
			Total Service/Repair			\$ 199.16
<u>Outfitting</u>	<u>Mech. Hrs.</u>	<u>Fab. Hrs.</u>	<u>Parts</u>	<u>Qty.</u>	<u>Cost Each</u>	<u>Total</u>
Install Blue and White Radios	6.0		Decals	2	\$10.00	\$ 20.00
Remove City Decals and Prep	1.0					
Install Decals	1.0		Total Outfitting Parts	2		\$ 20.00
Total Hours	8.0	0.0				
Labor Rate	\$ 65.08	\$ 73.28				
Total Outfitting Labor	\$ 520.64	\$ -	Total Outfitting Labor			\$ 520.64
			Total Outfitting			\$ 540.64
			Total Service/Repair			199.16
			Total Unit #27013			\$ 739.80

New Apparatus Costs:

Paramedic Squad

Vehicle	\$ 68,000.00
Mechanic	6,846.00
Fabricator	436.00
Parts/Materials	<u>1,221.00</u>

New Paramedic Squad Costs \$ 76,503.00

Patrol

* Includes labor, parts and materials

New Patrol Costs * \$ 100,000.00

TOTAL VEHICLE COSTS - \$ 203,260.70

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines, 1 Paramedic Assessment Quint
1 Patrol, 1 Paramedic Squad, 1 Inspector

Equipment	FIRE EQUIPMENT					
	Unit Cost	Engine	Engine	Quint	Squad	Patrol
AHB Kits	14.00	14.00	14.00	14.00	14.00	14.00
Airway Kit (optional)	20.00				20.00	
Axe Belt: Truckmans 2" Leather	55.00		55.00	220.00		
Axe: Pick Head 6LB. 32" Handle	36.00	36.00	72.00		72.00	36.00
Backboard - Iron Duck / Miller	218.12				218.12	
Bag-Debris	96.00		96.00			
BAR-RAM:33" Length w/Lock Breaker Jaw Paratech #650	388.00			388.00	388.00	
Belt: Ladder - Large and Med.	256.00			256.00		
Blanket - Disposable	7.27			36.35	14.54	14.54
Block: Chock Zico #AC-32	42.47				42.47	42.47
Box: First Aid - Flambeau #PM2072	45.75	45.75	45.75			
Breathing Apparatus: Warrior (4/eng, 6/quint, 2/squad, 2/patrol)	2,938.50	11,754.00	11,754.00	17,631.00	5,877.00	5,877.00
Burn Kit	80.00				80.00	
C - Collars Assorted sizes	20.00			120.00	100.00	100.00
Cab Items (Keys, Thomas Guides, etc.)	300.00	300.00	300.00	300.00	300.00	300.00
Claw Tool: Halligan Iowa American 30" Length 1 Piece	168.00		168.00	168.00	168.00	168.00
Communicable Disease Kit	14.00			14.00	14.00	14.00
Cover: Salvage 12' x 18'	159.00				159.00	
Crank: Hose Reel	45.00			45.00		
Cutter: Bolt 14"	68.50					68.50
Cutter: Bolt 36"	129.95					129.95
Cutter: Hot Line - Fiberglass "Anzel" 6' Handle	350.00			350.00		
Cylinder: Spare Breathing Apparatus	423.00	1,692.00	1,692.00	3,384.00		
Defibrillator	2,325.00	2,325.00	2,325.00	2,325.00	2,325.00	
Dux Seal - Package	11.51			11.51	11.51	11.51
Eductor	815.00	815.00	815.00	815.00		
Ejector: Smoke Unifire DS3P4 5.5 HP 22,000 CFM 4 Blade	1,207.50			2,415.00		
Electrical Connectors	50.00			200.00		
EMS Box	51.04			51.04	51.04	51.04
Extinguisher: Dry Chemical 2A10BC (2)	60.98					60.98
Extrication Device (KED)	99.00				99.00	
Fitting: 4" NSF x 2-1/2" NSM Pyrolite Rocker Lug Rigid	39.00	39.00		78.00		
Fitting: 4" NSF x 2 1/2" NSF Pyrolite Rocker Lug Rigid	39.50	39.50	79.00	79.00		
Fitting: 4" NSF x 2 1/2" NSF Pyrolite Swivel 4" Rocker Lug	96.50	96.50	96.50			
Fitting: 4" NSF x 3 1/2" NSM	63.00			63.00		
Fitting: 4" NSF x 3-1/2" NSM Pyrolite Rigid	48.00	96.00	96.00	96.00		
Fitting: 4" NSF x 3-1/2" NSF Pyrolite Swivel	118.00	118.00	118.00	118.00		
Fitting: 2 1/2" NSF x 1 1/2" NSM Pyrolite Lug Rigid	17.00	34.00		34.00		34.00
Fitting: 1-1/2" NSF x 2-1/2" NSM	11.75		11.75			23.50
Fitting: 1-1/2" NSF x 1-1/2" NSF	57.05					114.10
Fitting: 1-1/2" NSM x 1-1/2" NSM	8.10					16.20
Forceable Entry - Hydra Ram	1,400.00			1,400.00		
Fuses	54.63			54.63	54.63	54.63
Gasket Hose - Assorted	10.00			50.00		50.00
Generator: Portable 3000 Watts	2,350.00			2,350.00		
Gloves, Medical - Disposable	4.51			9.02	9.02	9.02
Hack Saw with blades	36.00			36.00	36.00	36.00
Hook: Rubbish w/ Aluminum "D" Handle 6'	88.50				88.50	
Hose: 2 1/2" Bypass	62.82			62.82		62.82
Hose: 4" Bypass x 20' - 4" NSM x 4" NSF	334.00	334.00	334.00	668.00		
Hose: 2 1/2" Soft Suction x 20'	59.00	59.00	59.00			
Hose: 4" Soft Suction x 20' 4" NSM X 4" NSF-Rubber Nitrile	224.00	448.00	448.00	448.00		

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines, 1 Paramedic Assessment Quint,
1 Patrol, 1 Paramedic Squad, 1 Inspector

FIRE EQUIPMENT (Continued)

Equipment	Unit Cost	Engine	Engine	Quint	Squad	Patrol
Hose - 1" Double Jacket	74.44					74.44
Hose - 1" SJ Wildland Hose	72.42					72.42
Hose - 1 1/2" SJ Wildland Hose	91.23					91.23
Hydrant Pouch on 4" Hose	16.00			16.00		
Jack - Hydraulic; 20 Ton with Handle	140.00					140.00
Kit: Sprinkler w/ Heads & Wrench	75.00					75.00
Lantern: Pelican Big Beam	40.00	80.00	80.00			
Litter/Stokes Basket	496.88					496.88
Mallet: Rubber, NUPLA 3# Dead Blow	30.00	60.00	60.00			30.00
Measuring Tape	15.48			15.48	15.48	15.48
Mini -CO Meter	120.00			120.00		
Monitor: Apollo Portable	2,250.00			2,250.00		
Multi-Casualty Incident Kit	1,155.00			1,155.00		
Nozzle: "KK" Bubblecup 10-40 GPM	337.50	675.00	675.00	675.00		675.00
Nozzle: TFT Metro 1 for 1 3/4" Lines	794.50	3,178.00	3,178.00	1,589.00		
Nozzle: TFT Metro 2 for 2 1/2" Lines	995.67	2,987.00	2,987.00	1,991.33		
Nozzle: Elkhart BA205 High-Rise	460.00	460.00	460.00	920.00		
Nozzle: Foam TFT MX-D w/Twister Nozzle	190.00	190.00	190.00			
Nozzle: Akron Breakapart - Straight Bore -Handline	646.25					
Nozzle: Akron Breakapart - Straight Bore -Master	3,117.14			3,117.14		
Nozzle: 1 1/2" TFT -D Handle	257.64					257.64
Plastic Sheeting: Roll	38.00	38.00			38.00	
Pliers - Slip Joint	13.87			13.87	13.87	13.87
Pliers - Channel Lock	23.85			23.85	23.85	23.85
Pliers - Vise Grip	13.41			13.41	13.41	13.41
Pliers - Lineman	35.85			35.85	35.85	35.85
Pliers - Needle Nose	17.73			17.73	17.73	17.73
Pole: Pike or Ceiling - Nupla 4'	80.50	80.50	80.50		80.50	
Pole: Pike - 10' D Handle	106.50			106.50		
Pry Bar: Pinch Point 5' X 1 1/4" Bit	69.00			69.00	69.00	69.00
Pump: Submersible "Prosser"	1,050.00			1,050.00		
Resusitator: LSP	169.00					169.00
Redwood Plugs: Assorted	35.00			175.00		
Rescue Tool: "Amkus" only w/Spreader, Cutter, 44" Ram, Ch.	16,769.00			16,769.00		
Rope Bag w Hard/Software	1,272.16			1,272.16	1,272.16	1,272.16
Rope: Drop Bags - 85' X 3/8"	81.25	325.00	325.00	487.50	162.50	81.25
S-Hooks	45.00			1,080.00		
Saw: Stihl 044 Or 038 Chain	680.00				680.00	
Saw: Rotary Partner K12FD or Equal	1,300.00				1,300.00	
Saw: Reciprocating - Milwaukee	735.00			735.00		
Screwdriver - Standard Small	6.29			6.29	6.29	6.29
Screwdriver - Standard Medium	4.84			4.84	4.84	4.84
Screwdriver - Standard Large	8.93			8.93	8.93	8.93
Screwdriver - Phillips Small	4.32			4.32	4.32	4.32
Screwdriver - Phillips Medium	5.00			5.00	5.00	5.00
Screwdriver - Phillips Large	8.93			8.93	8.93	8.93
Shovel - LHRP	54.38				108.76	108.76
Shovel - LHSP	57.29			114.58		
Shovel: Scoop 14"x17" Aluminum Blade w/ "D" Handle	50.75	101.50	101.50			
Siamese: Clappered (2) 2 1/2" x (1) 2 1/2"	465.00	465.00	465.00	465.00		
Staple Gun: Tacker	43.57				43.57	43.57
Stretcher: Junkinlitter Plastic Model: SAF-200 or Equal	504.00			504.00		

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines, 1 Paramedic Assessment Quint,
1 Patrol, 1 Paramedic Squad, 1 Inspector

FIRE EQUIPMENT (Continued)

Equipment	Unit Cost	Engine	Engine	Quint	Squad	Patrol
Tac Stick	249.00					
Tape - Electrical, Duct, Fireline	43.00			43.00	43.00	43.00
Tin Snips	18.00			18.00	18.00	18.00
V Vac Suction	84.00					84.00
Vacuum: Water_WAP Turbo AE 13 Gallon or Equal	2,400.00			2,400.00		
Valve: Hydroassist For 4" Hose	780.00	780.00	780.00			
Valve: Keystone w/ 4" Female Outlet	961.00		1,922.00	1,922.00		
Wrench: 5 hole spanner	16.50	82.50	82.50	66.00		33.00
Wrench: Suction Spanner 2 1/2" to 6"	61.50	123.00	123.00	123.00		
Wrench: Allen	17.45			17.45	17.45	17.45
Wrench: Combination	31.73			31.73	31.73	31.73
Wrench Crescent - Small	14.05			14.05	14.05	14.05
Wrench Crescent - Large	19.56			19.56	19.56	19.56
Wrench: Foam Container	12.56			12.56	12.56	12.56
Wrench: Pipe 10"	22.04			22.04	22.04	22.04
Wrench: Tire Lug	38.00			38.00	38.00	38.00
Wrench: Pipe 24"	45.00	45.00	45.00	45.00	45.00	
Wrench: Spanner - Adjustable	37.25			37.25		74.50
Wye:(1) 4" NSF x (3) 2-1/2" NSM Pyrolite	1,525.00	1,525.00	1,525.00	1,525.00		
Wye:(1) 2 1/2" NSF x (2) 1-1/2" NSM Brass	245.00	245.00	245.00	490.00		
Wye:(1) 2 1/2" NSF x (2) 1 1/2" NSM Pyrolite	105.00	105.00	105.00	210.00		
Wye:(1) 2 1/2" NSF x (2) 2-1/2" NSM Pyrolite	789.00	789.00	789.00	789.00		
Wye: Water Thief	753.00	753.00	753.00			
<u>Wildland Equipment:</u>						
Belt - Harness - Pack (includes canteen w/ cover; Clamp; Hose 1 1/2" to 1"; Fittings: 1" IPF X 1" NSM wildland; 1" NSM X 1" IPF wildland; 1" IPF X 1 1/2" NSM wildland; 1" 1/2" NSM X 1" IPM wildland; 1" IP Barrel Nozzle; Shelter: Emergency Wildland Complete; and Tee: Wildland 1 1/2")	761.00	761.00	761.00	3,044.00	1,522.00	761.00
Bag: Equipment for Swiftwater	30.00	30.00	30.00	30.00		
Apparatus Totals		32,124.25	34,341.50	80,007.72	15,838.21	12,272.00
				FIRE EQUIPMENT TOTAL -		174,583.68

Costs identified as of Sept. 2009.

CITY OF BREA CONVERSION COSTS

FIRE EQUIPMENT TO BE UTILIZED FROM ENGINES R-21 AND R-22 AND TRUCK FOR FRONT LINE APPARATUS IN CIT

Equipment / Quantity Needed	Unit Cost	Engine	Engine	Quint	Squad	Patrol
Axe Belt: Trackman's 2' Leather (3)	\$55.00	\$110.00	\$55.00	\$220.00		
Bag: Debris (2)	\$96.00	\$96.00		\$96.00		
Block: Chock Zico #AC-32 (3)	\$42.47			\$42.47	\$42.47	\$42.47
Box: First Aid - Flambeau #PM2072	\$45.75	\$45.75				
Can: Safety - 1 Gallon	\$3.40			\$6.80		
Cords: Electrical 50' 12 AWG	\$120.00			\$120.00		
Corn Broom	\$12.50			\$25.00		
Cover Salvage 12' X 18' (6)	\$159.00	\$159.00		\$954.00		
Cutter: Bolt 14" Length	\$68.50	\$68.50				\$68.50
Cutter: Bolt 36" Length (3)	\$129.95			\$129.95	\$129.95	\$129.95
Extinguisher: CO2 - 10LB. w/ Mount (2)	\$132.00	\$132.00		\$132.00		
Extinguisher: Water - 2 1/2 Gallon (2)	\$75.00			\$75.00		\$75.00
Extinguisher: Dry Chemical 2A10BC (3)	\$60.98			\$60.98	\$60.98	\$60.98
Fitting: 4" NSF x 4" NSF Pyrolite (2)	\$48.50			\$97.00		
Fitting: 4" NSM x 4" NSM Double Male (2)	\$36.75			\$73.50		
Fitting: 4" NSF x 2 1/2" NSM Pyrolite Rocker Lug Rigid	\$39.00		\$39.00			
Fitting: 2 1/2" NSF x 2 1/2" NSF Double Female (3)	\$28.94			\$28.94		\$57.88
Fitting: 2 1/2" NSM x 2 1/2" NSM Double Male (3)	\$10.71			\$10.71		\$21.42
Fitting: 2 1/2" NSF x 1 1/2" NSM Pyro Rocker Lug Rigid	\$17.00		\$17.00			
Fitting: 1 1/2" NSF x 1 1/2" NSM	\$11.75	\$11.75				
Floodlights - 500 Watts	\$1,000.00			\$1,000.00		
Ground Fault Interruptor	\$455.14			\$455.14		
Hall Runner 3' X 20' (7)	\$85.00	\$170.00	\$85.00	\$170.00	\$170.00	
Hook: Rubbish w/ Aluminum "D" Handle 6' (3)	\$70.00	\$70.00		\$140.00		
Hose: 1 3/4" x 50' High Rise Orange	\$140.73			\$140.73		
Hose: 1 3/4" x 50'	\$93.54			\$93.54		
Hose: 2 1/2" x 50'	\$119.51			\$119.51		
Hose: 4" x 4" Couplings x 50' (2)	\$425.03			\$425.03		\$425.03
Jack - Hydraulic; 20 Ton with Handle (4)	\$140.00	\$140.00	\$140.00	\$140.00	\$140.00	
Kit: Sprinkler w/ Heads & Wrench	\$75.00			\$75.00		
Ladder: 12' Combination	\$903.00			\$903.00		
Ladder: 10' Attic	\$1,304.41			\$1,304.41		
Ladder: 24' Extension	\$2,990.95			\$2,990.95		
Ladder: 35' Extension (2)	\$4,004.00			\$8,008.00		
Ladder: 16' Straight (2)	\$1,840.00			\$3,680.00		
Ladder: 20' Straight	\$2,244.00			\$2,244.00		
Ladder: 16' Roof	\$2,105.00			\$2,105.00		
Ladder: 20' Roof	\$2,495.00			\$2,495.00		
Ludium Radiology Monitor	\$6,000.00			\$6,000.00		
Mallet: Rubber, NUPLA 3# Dead Blow (2)	\$30.00			\$30.00	\$30.00	
MCMD Decontamination Kit (2)	\$100.00		\$100.00	\$100.00		
Nozzle: Akron Breakapart Stright Bore for Handline	\$646.25		\$646.25			
Plastic Sheeting: Roll (3)	\$38.00		\$38.00	\$76.00		
Pole: Pike or Celing Hook 4' w/ D Handle (2)	\$80.50			\$161.00		
Pole: Pike or Celing Hook 6' w/ D Handle (3)	\$83.50		\$83.50	\$167.00		
Pole: Pike - 8' D Handle	\$95.00			\$95.00		
Pole: Pike - 12' D Handle	\$113.50			\$113.50		
Pry Bar: Pinch Point 5' X 1 1/4" Bit (2)	\$69.00	\$69.00	\$69.00			
Resuscitator: LSP (3)	\$169.00			\$338.00	\$169.00	
Saw: Stihl 944 Or 038 Chain (2)	\$680.00			\$1,360.00		
Saw: Rotary Partner K12FD or Equal (2)	\$1,300.00			\$2,600.00		
Shovel - LHRP (2)	\$54.38			\$108.76		
Shovel: Scoop 14"x17" Aluminum Blade w/ "D" Handle (2)	\$50.75			\$101.50		
Sledgehammer: 12 lb. Double Face (3)	\$29.34			\$88.02		
Squeegee: 36" Length Reversible (4)	\$16.39			\$65.56		
Staple Gun: Tacker (2)	43.57			\$87.14		
Thermal Imager	\$13,000.00			\$13,000.00		
Tool: Forceable Entry "A"	\$85.00			\$85.00		
Tool: Forceable Entry "K"	\$120.00			\$120.00		
Vacuum: Water_WAP Turbo AE 13 Gallon or Equal	\$2,400.00			\$2,400.00		
Wrench: Adjustable Spanner	\$37.25			\$37.25		
Hose: 1 1/2" Single Jacket	\$300.00		\$300.00			
		\$1,372.00	\$1,272.75	\$55,695.39	\$742.40	\$881.23
Total District Cost of Equipment Transferred From Other City Units						\$59,963.77

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines, 1 Paramedic Assessment Quint, 1 Patrol, 1 Paramedic Squad, 1 Inspector

PERSONAL PROTECTIVE EQUIPMENT & UNIFORMS

<u>Personal Protective Equipment (PPE)</u>	<u>Quantity</u>	<u>Item Cost</u>	<u>Total Cost</u>
Turnout Coats (2 each)	80	\$481.50	\$38,520
Turnout Pants (2 each)	80	\$299.80	\$23,984
Turnout Boots (Rubber)	40	\$85.00	\$3,400
Brush Coat	40	\$96.25	\$3,850
Helmet Shield	40	\$6.00	\$240
Wildland Helmet	40	\$32.00	\$1,280
Shroud	40	\$27.50	\$1,100
Nomex Hood	40	\$21.50	\$860
Structural Glove	40	\$29.00	\$1,160
Personal Flashlight	40	\$21.50	\$860
Hose Straps	40	\$8.00	\$320
Wildland T-Shirts (2 each)	80	\$7.00	\$560
Beehood	40	\$11.50	\$460
Body Armor	40	\$587.75	\$23,510
Goggles	40	\$10.00	\$400
Warrior BA Facepiece	40	\$363.80	\$14,552
			<hr/>
		Personal Protective Equipment Total	\$115,056
<u>Station Uniforms</u>			
Station Shirts (2 each)	80	\$59.50	\$4,760
Jacket	40	\$99.95	\$3,998
Belts	40	\$12.00	\$480
Belt Buckles	40	\$10.50	\$420
Name Tags (2 each)	80	\$10.00	\$800
Tie	40	\$10.00	\$400
Soft Hat	40	\$69.50	\$2,780
			<hr/>
		Station Uniforms Total	\$13,638
		PPE AND STATION UNIFORMS TOTAL	<u>\$128,694</u>

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines, 1 Paramedic Assessment Quint,
1 Patrol, 1 Paramedic Squad, 1 Inspector

MEDICAL EQUIPMENT

<u>Equipment</u>	<u>Unit Cost</u>	<u>Engine</u>	<u>Engine</u>	<u>Quint</u>	<u>Squad</u>
*Zoll Defibrillator/Monitor	\$20,527	\$20,527	\$20,527	\$20,527	\$20,527
SSCORT Suction	\$450	\$450	\$450	\$450	\$450
Oxygen Jumbo D Cylinders (4 @ \$85)	\$340	\$340	\$340	\$340	\$340
Sager Splint (adult)	\$290	\$290	\$290	\$290	\$290
Sager Splint (pediatric)	\$264	\$264	\$264	\$264	\$264
Rhino Oxygen Regulator	\$170	\$170	\$170	\$170	\$170
Verizon Builder Cell Phone	\$150	\$150	\$150	\$150	\$150
Oxygen Resuscitator Case	\$144	\$144	\$144	\$144	\$144
Needle Thor Kit (2 @ \$70)	\$140	\$140	\$140	\$140	\$140
Med Box	\$84	\$84	\$84	\$84	\$84
V Vac Suction	\$84	\$84	\$84	\$84	\$84
Airway Box	\$51	\$51	\$51	\$51	\$51
Pedriatric Box	\$51	\$51	\$51	\$51	\$51
Paramedic Stethoscope	\$30	\$30	\$30	\$30	\$30
EMS Clipboard	\$29	\$29	\$29	\$29	\$29
CAT Tourniquet	\$28	\$28	\$28	\$28	\$28
Communicable Disease Kit	\$14	\$14	\$14	\$14	\$14
MCI Kit	\$1,155				\$1,155
Trauma Boxes (3 @ \$341)	\$1,023				\$1,023
Stokes/Junkins Stretcher	\$497				\$497
		\$22,846	\$22,846	\$22,846	\$25,521

MEDICAL EQUIPMENT TOTAL - \$94,059

* The cost of the Zoll E-Series Monitors may be offset by trade-ins of M-Series Monitors currently in stock at the District's EMS Section. Recent trade-in value approximately is \$12,000 each. Zoll has indicated they will also offer trade-in value to competitor's models.

MISCELLANEOUS

Knox Systems Retrofit -	<u>Qty.</u>	<u>Cost</u>
	287	\$4,305 *

* Estimated cost. Does not include labor.

Deferred Equipment Maintenance -
(To be completed prior to commencement of service)

MISCELLANEOUS TOTAL - \$4,305

Costs identified as of September 2009.

CITY OF BREA CONVERSION COSTS

Based on 3 Stations, 2 Paramedic Assessment Engines,
1 Paramedic Assessment Quint, 1 Patrol, 1 Paramedic Squad, 1 Inspector

CONVERSION COSTS SUMMARY

Facilities	\$227,765
Communications	\$273,318
Vehicles	\$203,261
Fire Equipment	\$174,584
PPE & Uniforms	\$128,694
Medical Equipment	\$94,059
Misc.	<u>\$4,305</u>
Subtotal	\$1,105,985
Credit for City vehicles	<u>()*</u>
Contingency - 15%	165,898
Total Conversion Costs	<u><u>\$1,271,883</u></u>

* Amount to be determined

Costs identified as of September 2009